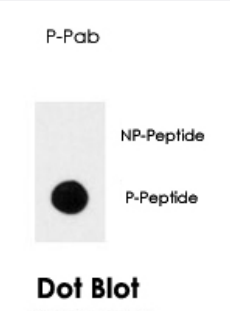
NTRK1 (phospho Y791) polyclonal antibody

Catalog # PAB0629 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of NTRK1 (phospho Y791) polyclonal antibody (Cat # PAB0629) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of NTRK1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y791 of human NTRK1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Dot Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Applications

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Gene Info — NTRK1

Entrez GeneID	4914
Protein Accession#	NP_002520;P04629
Gene Name	NTRK1
Gene Alias	DKFZp781I14186, MTC, TRK, TRK1, TRKA, p140-TrkA
Gene Description	neurotrophic tyrosine kinase, receptor, type 1
Omim ID	155240 191315 256800
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTKR) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date. [provided by RefSeq
Other Designations	OTTHUMP00000038736|Oncogene TRK|high affinity nerve growth factor receptor|tyrosine kinase receptor A

Publication Reference

- Expression of NGF in hepatocellular carcinoma cells with its receptors in non-tumor cell components.

  Tokusashi Y, Asai K, Tamakawa S, Yamamoto M, Yoshie M, Yaginuma Y, Miyokawa N, Aoki T, Kino S, Kasai S, Ogawa K.

  International Journal of Cancer 2005 Mar; 114(1):39.

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- Microarray analysis reveals differential gene expression patterns and regulation of single target genes contributing to the opposing phenotype of TrkA- and TrkB-expressing neuroblastomas.

  Schulte JH, Schramm A, Klein-Hitpass L, Klenk M, Wessels H, Hauffa BP, Eils J, Eils R, Brodeur GM, Schweigerer L, Havers W, Eggert A.

  Oncogene 2005 Jan; 24(1):165.

- Alternative mutations of BRAF, RET and NTRK1 are associated with similar but distinct gene expression patterns in papillary thyroid cancer.

  Frattini M, Ferrario C, Bressan P, Balestra D, De Cecco L, Mondellini P, Bongarzone I, Collini P, Gariboldi M, Pilotti S, Pierotti MA, Greco A.

  Oncogene 2004 Sep; 23(44):7436.

Pathway

- Apoptosis
- Endocytosis
- MAPK signaling pathway
- Neurotrophin signaling pathway
- Pathways in cancer
- Thyroid cancer

Disease

- Alzheimer disease
- Asperger Syndrome
- Autistic Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Models
- Eating Disorders
- Edema

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- Genetic Predisposition to Disease
- Hereditary Sensory and Autonomic Neuropathies
- Hyperparathyroidism
- Kidney Failure
- Leukemia
- Mental Disorders
- Neuroblastoma
- Social Perception
- Thyroid Diseases
- Thyroid Neoplasms

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